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0809

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RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/832,899A

DATE: 08/17/2001  
TIME: 14:21:47

Input Set : A:\032751-052.ST25.txt  
Output Set: N:\CRF3\08172001\I832899A.raw

4 <110> APPLICANT: Balloul, Jean-Marc  
5 Paul, Stephane  
7 <120> TITLE OF INVENTION: Poxvirus With Targeted Infection Specificity  
9 <130> FILE REFERENCE: 032751-052  
11 <140> CURRENT APPLICATION NUMBER: US 09/832,899A  
12 <141> CURRENT FILING DATE: 2001-04-12  
14 <150> PRIOR APPLICATION NUMBER: US 60/246,080  
15 <151> PRIOR FILING DATE: 2000-11-07  
17 <160> NUMBER OF SEQ ID NOS: 21  
19 <170> SOFTWARE: PatentIn version 3.1  
21 <210> SEQ ID NO: 1  
22 <211> LENGTH: 24  
23 <212> TYPE: DNA  
24 <213> ORGANISM: Artificial Sequence  
26 <220> FEATURE:  
27 <223> OTHER INFORMATION: PCR primer to amplify the MVA 138L gene and flanking region  
30 <400> SEQUENCE: 1  
31 cagactggac ggcgtccata tgag 24  
35 <210> SEQ ID NO: 2  
36 <211> LENGTH: 61  
37 <212> TYPE: DNA  
38 <213> ORGANISM: Artificial Sequence  
40 <220> FEATURE:  
41 <223> OTHER INFORMATION: antisense PCR primer to amplify the 3' end of MVA 138L gene  
and  
42 3' flanking region  
44 <220> FEATURE:  
45 <221> NAME/KEY: gene  
46 <222> LOCATION: Complement((1)..(61))  
47 <223> OTHER INFORMATION:  
49 <400> SEQUENCE: 2  
50 catttttaa gtagatccat aaagatcccg ggagtaccat cgtgattctt accagatatt 60  
52 a 61  
55 <210> SEQ ID NO: 3  
56 <211> LENGTH: 61  
57 <212> TYPE: DNA  
58 <213> ORGANISM: Artificial Sequence  
60 <220> FEATURE:  
61 <223> OTHER INFORMATION: PCR primer to amplify E. coli gpt gene and H5R promoter  
63 <220> FEATURE:  
64 <221> NAME/KEY: gene  
65 <222> LOCATION: (1)..(61)  
66 <223> OTHER INFORMATION:  
68 <400> SEQUENCE: 3  
69 taatatctgg taagaatcac gatggtactc ccggatctt ttattctata cttaaaaaat 60  
71 g 61  
74 <210> SEQ ID NO: 4  
75 <211> LENGTH: 35

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76 <212> TYPE: DNA  
77 <213> ORGANISM: Artificial Sequence  
79 <220> FEATURE:  
80 <223> OTHER INFORMATION: antisense PCR primer to amplify E. coli GPT gene and pH5R  
81 promoter  
83 <400> SEQUENCE: 4  
84 ggggttaatt aaggaagtta aaaagaacaa cgccc 35  
88 <210> SEQ ID NO: 5  
89 <211> LENGTH: 38  
90 <212> TYPE: DNA  
91 <213> ORGANISM: Artificial Sequence  
93 <220> FEATURE:  
94 <223> OTHER INFORMATION: PCR primer to amplify the upstream region of MVA 138L gene  
97 <400> SEQUENCE: 5  
98 ggggaattc gagcttatacg cgttagttc aggtacgg 38  
102 <210> SEQ ID NO: 6  
103 <211> LENGTH: 44  
104 <212> TYPE: DNA  
105 <213> ORGANISM: Artificial Sequence  
107 <220> FEATURE:  
108 <223> OTHER INFORMATION: antisense PCR primer to amplify the upstream region of the  
MVA 13  
109 8L gene  
112 <400> SEQUENCE: 6  
113 ggggaagctt ttaaagtaca gattttagaa actgacactc tgcg 44  
117 <210> SEQ ID NO: 7  
118 <211> LENGTH: 68  
119 <212> TYPE: DNA  
120 <213> ORGANISM: Artificial Sequence  
122 <220> FEATURE:  
123 <223> OTHER INFORMATION: antisense primer to amplify the upstream region of teh MVA  
138L  
124 gene  
126 <400> SEQUENCE: 7  
127 ggggaagctt caagagcggc acggctcccg ccgctgcgac gttcaggagg accaaggcaa 60  
129 ccacgaac 68  
133 <210> SEQ ID NO: 8  
134 <211> LENGTH: 31  
135 <212> TYPE: DNA  
136 <213> ORGANISM: Artificial Sequence  
138 <220> FEATURE:  
139 <223> OTHER INFORMATION: PCR primer to amplify the MVA 138L gene and its downstream  
region  
142 <400> SEQUENCE: 8  
143 ggggaagctt atggacggaa ctctttccc c 31  
147 <210> SEQ ID NO: 9  
148 <211> LENGTH: 37  
149 <212> TYPE: DNA  
150 <213> ORGANISM: Artificial Sequence  
152 <220> FEATURE:  
153 <223> OTHER INFORMATION: antisense PCR primer to amplify the MVA 138L gene and its  
154 downstream region

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157 <400> SEQUENCE: 9  
158 gggggaaattc gcttatacggtt atcgggttta gcttctg 37  
162 <210> SEQ ID NO: 10  
163 <211> LENGTH: 68  
164 <212> TYPE: DNA  
165 <213> ORGANISM: Artificial Sequence  
167 <220> FEATURE:  
168 <223> OTHER INFORMATION: PCR primer to amplify SM3 scFv sequence  
171 <400> SEQUENCE: 10  
172 cgcagagtgt cagtttctaa aatctgtact ttaaatggtg cagctgcagg agtctggagg 60  
174 aggcttgg 68  
178 <210> SEQ ID NO: 11  
179 <211> LENGTH: 58  
180 <212> TYPE: DNA  
181 <213> ORGANISM: Artificial Sequence  
183 <220> FEATURE:  
184 <223> OTHER INFORMATION: antisense PCR primer to amplify the SM3 scFv sequence  
187 <400> SEQUENCE: 11  
188 gatcgtcatac tccggggaaa agagttccgt ccatcagttt ggttcctcca ccgaacac 58  
192 <210> SEQ ID NO: 12  
193 <211> LENGTH: 57  
194 <212> TYPE: DNA  
195 <213> ORGANISM: Artificial Sequence  
197 <220> FEATURE:  
198 <223> OTHER INFORMATION: PCR primer to amplify the SM3 scFv sequence  
201 <400> SEQUENCE: 12  
202 cctgaacgtc gcagcggcgg gagccgtgcc gctcttggtg cagctgcagg agtctgg 57  
206 <210> SEQ ID NO: 13  
207 <211> LENGTH: 111  
208 <212> TYPE: DNA  
209 <213> ORGANISM: Artificial Sequence  
211 <220> FEATURE:  
212 <223> OTHER INFORMATION: sequence of the synthetic p11k7.5 promoter  
215 <400> SEQUENCE: 13  
216 ataaaaatata agtagaaattt cattttttt tttctatgct ataaatagga tccgataaaag 60  
218 tgaaaaataa ttcttaatttta ttgcacggta aggaagtata atcataaaga a 111  
222 <210> SEQ ID NO: 14  
223 <211> LENGTH: 53  
224 <212> TYPE: DNA  
225 <213> ORGANISM: Artificial Sequence  
227 <220> FEATURE:  
228 <223> OTHER INFORMATION: PCR primer to amplify the p11k7.5 promoter  
231 <400> SEQUENCE: 14  
232 gggggatccc ccgggctgca gaagcttttc tttatgattc tacttcctta ccg 53  
236 <210> SEQ ID NO: 15  
237 <211> LENGTH: 50  
238 <212> TYPE: DNA  
239 <213> ORGANISM: Artificial Sequence  
241 <220> FEATURE:

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242 <223> OTHER INFORMATION: antisense PCR primer to amplify the p11k7.5 promoter  
 245 <400> SEQUENCE: 15  
 246 ggggggagat ctaagcttgt cgacataaaa atatagtaga atttcatttg 50  
 250 <210> SEQ ID NO: 16  
 251 <211> LENGTH: 77  
 252 <212> TYPE: DNA  
 253 <213> ORGANISM: Artificial Sequence  
 255 <220> FEATURE:  
 256 <223> OTHER INFORMATION: synthetic sequence  
 259 <400> SEQUENCE: 16  
 260 gatggtgaca gggggatgg caagcaagtg ggatctcgag ttgggtgact ttggtgacag 60  
 262 atactactgt gttaag 77  
 266 <210> SEQ ID NO: 17  
 267 <211> LENGTH: 85  
 268 <212> TYPE: DNA  
 269 <213> ORGANISM: Artificial Sequence  
 271 <220> FEATURE:  
 272 <223> OTHER INFORMATION: synthetic sequence  
 275 <400> SEQUENCE: 17  
 276 gatccttaaa cacagtagta tctgtcacca aagtcaccca actcgagatc ccacttgctt 60  
 278 gccattcccc ctgtcacccat ctgca 85  
 282 <210> SEQ ID NO: 18  
 283 <211> LENGTH: 32  
 284 <212> TYPE: DNA  
 285 <213> ORGANISM: Artificial Sequence  
 287 <220> FEATURE:  
 288 <223> OTHER INFORMATION: PCR primer to amplify the 5' F13L flanking region of MVA  
 291 <400> SEQUENCE: 18  
 292 gagaggatcc gggtatctag ccacagtaaa tc 32  
 296 <210> SEQ ID NO: 19  
 297 <211> LENGTH: 32  
 298 <212> TYPE: DNA  
 299 <213> ORGANISM: Artificial Sequence  
 301 <220> FEATURE:  
 302 <223> OTHER INFORMATION: antisense PCR primer to amplify the 5' F13L flanking region of MVA  
 303 MVA  
 306 <400> SEQUENCE: 19  
 307 tttcgaattc ggaatctgta ttctcaatacg 32  
 311 <210> SEQ ID NO: 20  
 312 <211> LENGTH: 33  
 313 <212> TYPE: DNA  
 314 <213> ORGANISM: Artificial Sequence  
 316 <220> FEATURE:  
 317 <223> OTHER INFORMATION: PCR primer to amplify the 3' F13L flanking region of MVA  
 320 <400> SEQUENCE: 20  
 321 atctgaattc gtggagatga tgatagttt agc 33  
 325 <210> SEQ ID NO: 21  
 326 <211> LENGTH: 34  
 327 <212> TYPE: DNA

of

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328 <213> ORGANISM: Artificial Sequence  
330 <220> FEATURE:  
331 <223> OTHER INFORMATION: antisense PCR primer to amplify the 3' F13L flanking region  
of  
332 MVA  
335 <400> SEQUENCE: 21  
336 aacaggatcc cttatacatac ctgttctatac aacg

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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/832,899A

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Input Set : A:\032751-052.ST25.txt

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